

DERWENT-ACC-NO: 1991-158328

DERWENT-WEEK: 200042

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TITLE: Generator actual fault condition detecting method -
indicating arc occurrence of voltage or current of
generator neutral lead exceeds threshold amplitude

PATENT-ASSIGNEE: WESTINGHOUSE ELECTRIC CORP[WESE]

PRIORITY-DATA: 1989US-0395633 (August 18, 1989)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---------------|-------------------|----------|-------|-------------|
| JP 03085470 A | April 10, 1991 | N/A | 000 | N/A |
| KR 163350 B1 | March 20, 1999 | N/A | 000 | G01R 013/00 |
| CN 1049914 A | March 13, 1991 | N/A | 000 | N/A |
| US 5087909 A | February 11, 1992 | N/A | 000 | N/A |
| ES 2024301 A | February 16, 1992 | N/A | 000 | N/A |

APPLICATION-DATA:

| PUB-NO | APPL-DESCRIPTOR | APPL-NO | APPL-DATE |
|--------------|-----------------|----------------|-----------------|
| JP 03085470A | N/A | 1990JP-0206948 | August 6, 1990 |
| KR 163350B1 | N/A | 1990KR-0012662 | August 17, 1990 |
| US 5087909A | N/A | 1989US-0395633 | August 18, 1989 |

INT-CL (IPC): G01R013/00, G01R031/34, G08B021/00, H02P009/00

ABSTRACTED-PUB-NO: JP 03085470A

BASIC-ABSTRACT:

Bat comprises core made of rigid foamed plastic and outer layer around the core, which is made of compsn. comprising carbon fibre having dia. of 0.01-4 microns and thermoplastic resin and/or thermosetting resin.

The rigid foamed plastic includes polystyrene, vinyl chloride resin, polyurethane, cellulose acetate polymer, phenol resin etc. The thermoplastic

resin includes polyethylene, polypropylene, polystyrene, etc. The thermosetting resin includes phenol resin, furan resin, xylene formaldehyde resin, urea resin, melamine resin, aniline resin, alkyd resin, epoxy resin etc.

USE/ADVANTAGE - Balance and weight can be easily controlled and elasticity, impact resistance, durability etc. can be improved.

ABSTRACTED-PUB-NO: US 5087909A

EQUIVALENT-ABSTRACTS:

The method involves sensing an RF signal from the generator, and discriminating between false fault signals and actual fault signals. A level of a first occurrence of the sensed RF signal is detected and a second occurrence of the sensed RF signal is also detected. Output of an actual fault signal is allowed only if the level of the first occurrence of the RF signal exceeds a set level and the second occurrence of the RF signal is within a set time period.

Only the actual fault signals are output and the existence of the actual fault condition is indicated by testing the actual fault signals against a threshold.

USE - E.g. for turbine generator. @(First major country equivalent to J03085470)@

CHOSEN-DRAWING: Dwg.0/3 Dwg.6/8

TITLE-TERMS: GENERATOR ACTUAL FAULT CONDITION DETECT METHOD
INDICATE ARC OCCUR
VOLTAGE CURRENT GENERATOR NEUTRAL LEAD THRESHOLD
AMPLITUDE

DERWENT-CLASS: S01 X13

EPI-CODES: S01-G07; S01-H05; X13-C01X; X13-C04B;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1992-049055